# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L2 | 575 | convolution WITH weight | US-PGPUB; USPAT | OR | ON | 2007/09/14 08:22 |
| L3 | 0 | (convolution WITH weight) AND (multiply$3 WITH forward WITH backward WITH kernel) | US-PGPUB; USPAT | OR | ON | 2007/09/14 08:23 |
| L4 | 78 | (convolution WITH weight) AND (multiply$3 WITH weight) | US-PGPUB; USPAT | OR | ON | 2007/09/14 08:24 |
| L5 | 36 | (convolution WITH weight) AND (multiply$3 WITH weight) AND kernel | US-PGPUB; USPAT | OR | ON | 2007/09/14 08:24 |
| L6 | 11 | (convolution WITH weight) AND (multiply$3 WITH weight) AND kernel AND forward | US-PGPUB; USPAT | OR | ON | 2007/09/14 08:49 |
| L7 | 1 | (convolution WITH weight) AND (multiply$3 WITH weight) AND kernel AND forward AND backward | US-PGPUB; USPAT | OR | ON | 2007/09/14 08:25 |
| L8 | 6 | (convolution WITH weight) AND ( multiply$3 WITH kernel WITH weight) | US-PGPUB; USPAT | OR | ON | 2007/09/14 08:50 |
| L9 | 1 | (convolution WITH weight) AND ( multiply$3 WITH kernel WITH weight) AND forward | US-PGPUB; USPAT | OR | ON | 2007/09/14 08:52 |
| L10 | 2 | multiply$3 WITH (forward ADJ1 weight) SAME (backward ADJ1 weight) | US-PGPUB; USPAT | OR | ON | 2007/09/14 08:55 |
| L11 | 2 | multiply$3 SAME (forward ADJ1 weight) WITH (backward ADJ1 weight) | US-PGPUB; USPAT | OR | ON | 2007/09/14 08:56 |
| L12 | 2 | multiply$3 WITH (forward ADJ1 weight) WITH (backward ADJ1 weight) | US-PGPUB; USPAT | OR | ON | 2007/09/14 08:58 |
| L13 | 0 | multiply$3 WITH (forward ADJ1 weight) WITH ( backward ADJ1 weight) AND (convolution WITH weight) | US-PGPUB; USPAT | OR | ON | 2007/09/14 08:59 |
| L14 | 2 | multiply$3 WITH (forward ADJ1 weight) WITH ( backward ADJ1 weight) | US-PGPUB; USPAT | OR | ON | 2007/09/14 09:00 |
| L15 | 575 | convolution WITH weight | US-PGPUB; USPAT | OR | ON | 2007/09/14 09:00 |
| L16 | 55 | (convolution WITH weight) WITH kernel | US-PGPUB; USPAT | OR | ON | 2007/09/14 09:04 |
| L17 | 4 | (convolution WITH weight) WITH kernel WITH multiply$3 | US-PGPUB; USPAT | OR | ON | 2007/09/14 09:01 |

| L19 | 1 | ("20060188154").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/14 09:14 |
|-----|---|---------------------|-----------------|----|----|-------------------|
| L20 | 1 | ("20030095693").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/14 09:14 |
| L28 | 0 | (convolution WITH weight) SAME (specify$3 WITH zero WITH value) | US-PGPUB; USPAT | OR | ON | 2007/09/14 09:27 |
| L29 | 1 | (convolution WITH weight) AND (specify$3 WITH zero WITH value) | US-PGPUB; USPAT | OR | ON | 2007/09/14 09:28 |
| L30 | 0 | (convolution WITH weight) AND (specify$3 WITH zero ADJ1 value) | US-PGPUB; USPAT | OR | ON | 2007/09/14 09:28 |
| L31 | 0 | specify$3 WITH (zero ADJ1 value) SAME (onvolution WITH weight) | US-PGPUB; USPAT | OR | ON | 2007/09/14 09:34 |
| L32 | 0 | specify$3 WITH (zero ADJ1 value) SAME (convolution WITH weight) | US-PGPUB; USPAT | OR | ON | 2007/09/14 09:34 |
| L33 | 0 | (zero ADJ1 value) SAME (convolution WITH weight) | US-PGPUB; USPAT | OR | ON | 2007/09/14 09:34 |
| L34 | 49 | (zero ADJ1 value) AND (convolution WITH weight) | US-PGPUB; USPAT | OR | ON | 2007/09/14 09:34 |
| L35 | 0 | (zero ADJ1 value) WITH (convolution WITH weight) | US-PGPUB; USPAT | OR | ON | 2007/09/14 09:34 |
| L36 | 1 | ("6215496").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/14 11:48 |
| L37 | 1 | ("20030169944").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/14 13:26 |
| L38 | 1 | ("20030197877").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/14 13:26 |
| L39 | 18 | depth WITH value WITH field WITH filter$3 | US-PGPUB; USPAT | OR | ON | 2007/09/14 14:03 |
| L40 | 18 | (depth WITH value WITH field WITH filter$3) | US-PGPUB; USPAT | OR | ON | 2007/09/14 14:36 |
| L41 | 1 | ("6791540").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/14 14:09 |
| L42 | 1 | ("6791540").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/14 14:34 |
| L43 | 0 | (depth WITH value WITH field WITH filter$3) AND (convolution WITH weight WITH depth WITH value) | US-PGPUB; USPAT | OR | ON | 2007/09/14 14:37 |
| L44 | 0 | (convolution WITH weight WITH depth WITH value) | US-PGPUB; USPAT | OR | ON | 2007/09/14 14:37 |
| L45 | 0 | (convolution WITH weight ) SAME ( depth WITH value) | US-PGPUB; USPAT | OR | ON | 2007/09/14 14:39 |
| L46 | 575 | (convolution WITH weight ) | US-PGPUB; USPAT | OR | ON | 2007/09/14 14:39 |

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| | | | | | | |
|---|---|---|---|---|---|---|
| L47 | 34283 | depth WITH value | US-PGPUB; USPAT | OR | ON | 2007/09/14 14:39 |
| L48 | 65 | 46 and 47 | US-PGPUB; USPAT | OR | ON | 2007/09/14 14:45 |
| L49 | 0 | 46 SAME 47 | US-PGPUB; USPAT | OR | ON | 2007/09/14 14:39 |
| L54 | 0 | convolution WITH weight WITH zero WITH value | US-PGPUB; USPAT | OR | ON | 2007/09/14 14:55 |
| L55 | 4 | (convolution WITH weight) SAME ( zero WITH value) | US-PGPUB; USPAT | OR | ON | 2007/09/14 14:56 |
| L56 | 1 | ("6728416").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/14 15:50 |
| L57 | 1 | ("20050025378").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/14 15:50 |
| L58 | 1 | ("6791540").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/14 15:51 |
| L59 | 1 | ("6215496").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/14 15:51 |
| L60 | 1 | ("20030169944").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/14 15:51 |
| L61 | 1 | ("20030197877").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/14 15:51 |
| S1 | 339 | 382/279 | US-PGPUB; USPAT | OR | ON | 2007/02/27 16:10 |
| S2 | 2 | 382/279.ccls. and kernel and forward and backward | US-PGPUB; USPAT | OR | ON | 2007/02/21 17:06 |
| S3 | 0 | (filter$ WITH image) SAME (forward AND backward AND kernel AND convolution AND weight) | US-PGPUB; USPAT | OR | ON | 2007/02/21 17:10 |
| S4 | 37 | (filter$ WITH image) SAME ( kernel AND convolution AND weight AND pixel) | US-PGPUB; USPAT | OR | ON | 2007/02/21 17:20 |
| S5 | 0 | (kernel WITH convolution) SAME (forward AND backward AND weight AND pixel) | US-PGPUB; USPAT | OR | ON | 2007/02/21 17:22 |
| S6 | 1 | (kernel WITH convolution) SAME (forward AND backward AND weight ) | US-PGPUB; USPAT | OR | ON | 2007/02/21 17:23 |
| S7 | 1845 | (kernel WITH convolution) | US-PGPUB; USPAT | OR | ON | 2007/02/21 17:23 |
| S8 | 35 | (kernel WITH convolution) SAME (pixel AND weight) | US-PGPUB; USPAT | OR | ON | 2007/02/21 17:24 |
| S9 | 0 | (kernel WITH convolution) SAME (pixel AND weight AND forward AND backward) | US-PGPUB; USPAT | OR | ON | 2007/02/21 17:25 |

| S10 | 63 | (kernel WITH convolution) SAME (pixel AND weight OR forward OR backward) | US-PGPUB; USPAT | OR | ON | 2007/02/21 17:26 |
|-----|-----|-----|-----|-----|-----|-----|
| S11 | 7 | (kernel WITH convolution) SAME (pixel AND weight AND forward OR backward) | US-PGPUB; USPAT | OR | ON | 2007/02/21 17:35 |
| S12 | 0 | (forward WITH kernel) SAME ( weight AND first AND pixel) | US-PGPUB; USPAT | OR | ON | 2007/02/21 17:37 |
| S13 | 0 | (forward WITH kernel) SAME ( weight AND pixel) | US-PGPUB; USPAT | OR | ON | 2007/02/21 17:38 |
| S14 | 256 | kernel SAME ( weight AND pixel) | US-PGPUB; USPAT | OR | ON | 2007/02/21 17:38 |
| S15 | 117 | kernel SAME ( convolution AND weight AND pixel) | US-PGPUB; USPAT | OR | ON | 2007/02/21 17:39 |
| S16 | 4 | kernel SAME ( forward AND convolution AND weight AND pixel) | US-PGPUB; USPAT | OR | ON | 2007/02/21 17:39 |
| S17 | 1 | kernel SAME ( forward AND backward AND convolution AND weight AND pixel) | US-PGPUB; USPAT | OR | ON | 2007/02/21 17:40 |
| S18 | 0 | (forward SAME backward SAME kernel )SAME ( convolution AND weight AND pixel) | US-PGPUB; USPAT | OR | ON | 2007/02/21 17:41 |
| S19 | 569 | (filter$ WITH image) SAME (kernel AND convolution AND pixel) | US-PGPUB; USPAT | OR | ON | 2007/02/21 17:43 |
| S20 | 233 | (filter$ WITH image) SAME (kernel AND convolution AND pixel AND forward OR backward) | US-PGPUB; USPAT | OR | ON | 2007/02/21 17:43 |
| S21 | 29 | (convolution WITH weight) SAME (kernel SAME pixel) | US-PGPUB; USPAT | OR | ON | 2007/02/22 13:31 |
| S22 | 1 | (convolution WITH weight) SAME (forward SAME backward SAME kernel ) | US-PGPUB; USPAT | OR | ON | 2007/02/22 13:33 |
| S23 | 769 | 162/198.ccls. convolution AND weight AND kernel AND forward AND backward | US-PGPUB; USPAT | OR | ON | 2007/02/22 13:38 |
| S24 | 745 | 162/198.ccls. convolution AND weight AND kernel AND forward AND backward AND pixel | US-PGPUB; USPAT | OR | ON | 2007/02/22 13:35 |
| S25 | 559 | (162/198).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/02/22 13:35 |
| S26 | 451 | (356/429).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/02/22 13:36 |
| S27 | 1 | 356/429.ccls. AND convolution AND weight AND kernel AND backward AND forward AND pixel AND image | US-PGPUB; USPAT | OR | ON | 2007/02/22 13:37 |

| S28 | 1 | 356/429.ccls. AND convolution AND weight AND kernel AND backward AND forward AND pixel | US-PGPUB; USPAT | OR | ON | 2007/02/22 15:13 |
|---|---|---|---|---|---|---|
| S29 | 1 | 162/198.ccls. AND convolution AND weight AND kernel AND forward AND backward | US-PGPUB; USPAT | OR | ON | 2007/02/22 15:14 |
| S30 | 637 | 356/429.ccls. convolution AND weight AND kernel AND backward AND forward AND pixel | US-PGPUB; USPAT | OR | ON | 2007/02/22 13:50 |
| S31 | 11 | (filter$ WITH image) SAME (forward AND kernel AND pixel AND weight) | US-PGPUB; USPAT | OR | ON | 2007/02/22 13:54 |
| S32 | 1 | (filter$ WITH image) SAME (backward AND kernel AND pixel AND weight) | US-PGPUB; USPAT | OR | ON | 2007/02/22 13:55 |
| S33 | 5 | (filter$ WITH image) SAME (convolution AND forward AND kernel AND pixel AND weight) | US-PGPUB; USPAT | OR | ON | 2007/02/22 14:56 |
| S34 | 84 | filter SAME kernel SAME pixel SAME weight | US-PGPUB; USPAT | OR | ON | 2007/02/22 14:06 |
| S35 | 5 | backward SAME forward SAME kernel SAME pixel | US-PGPUB; USPAT | OR | ON | 2007/02/22 14:06 |
| S36 | 5 | (filter$ WITH image) SAME (convolution AND forward AND kernel AND pixel AND weight) | US-PGPUB; USPAT | OR | ON | 2007/02/22 14:56 |
| S37 | 1 | 356/429.ccls. AND convolution AND weight AND kernel AND pixel | US-PGPUB; USPAT | OR | ON | 2007/02/22 15:14 |
| S38 | 1 | 162/198.ccls. AND convolution AND weight AND kernel | US-PGPUB; USPAT | OR | ON | 2007/02/22 15:46 |
| S39 | 0 | convolution WITH kernel WITH filter WITH forward WITH backward | US-PGPUB; USPAT | OR | ON | 2007/02/22 15:48 |
| S40 | 35610 | convolution filter WITH forward WITH backward | US-PGPUB; USPAT | OR | ON | 2007/02/22 15:48 |
| S41 | 4 | convolution WITH filter WITH forward WITH backward | US-PGPUB; USPAT | OR | ON | 2007/02/22 15:51 |
| S42 | 1 | ("20030095693").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/22 17:04 |
| S43 | 1 | ("20030095693").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/23 11:35 |
| S44 | 1 | ("6215496").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/23 11:36 |
| S45 | 3614 | (filter$ WITH image) SAME (kernel AND convolution AND substant$ AND zero AND non zero) | US-PGPUB; USPAT | OR | ON | 2007/02/23 11:38 |

| S46 | 173 | (filter$ WITH image) SAME (kernel AND convolution AND substant$ AND zero AND non zero AND weight AND pixel) | US-PGPUB; USPAT | OR | ON | 2007/02/23 11:47 |
|---|---|---|---|---|---|---|
| S47 | 20 | (filter$ WITH image) SAME (kernel AND convolution AND substant$ AND zero AND non zero AND weight AND pixel AND forward AND backward) | US-PGPUB; USPAT | OR | ON | 2007/02/23 15:59 |
| S48 | 1 | ("6215496").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/23 13:14 |
| S49 | 1 | ("20030095693").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/23 13:14 |
| S50 | 19 | (filter$ WITH image) SAME (kernel AND convolution AND substant$ AND zero AND non zero AND weight AND pixel AND forward AND backward AND radius) | US-PGPUB; USPAT | OR | ON | 2007/02/23 15:59 |
| S51 | 19 | (filter$ WITH image) SAME (kernel AND convolution AND substant$ AND zero AND non zero AND weight AND pixel AND forward AND backward AND radius AND location) | US-PGPUB; USPAT | OR | ON | 2007/02/26 08:24 |
| S52 | 1 | ("6215496").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/26 08:18 |
| S53 | 1 | ("20030095693").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/26 08:18 |
| S54 | 2406 | (filter$ WITH image) SAME (forward AND kernel AND location AND weight AND distance OR pixel AND center) | US-PGPUB; USPAT | OR | ON | 2007/02/26 10:02 |
| S55 | 1 | (filter$ WITH image) SAME (forward AND kernel AND location AND weight AND distance AND pixel AND center) | US-PGPUB; USPAT | OR | ON | 2007/02/26 17:00 |
| S56 | 1 | ("6215496").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/26 17:01 |
| S57 | 1 | ("20030095693").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/26 17:02 |
| S59 | 322 | (backward AND kernel AND radius AND pixel) | US-PGPUB; USPAT | OR | ON | 2007/02/26 17:04 |
| S60 | 41 | (backward AND kernel AND radius AND pixel) SAME image | US-PGPUB; USPAT | OR | ON | 2007/02/26 17:12 |
| S61 | 7361 | (backward AND kernel radius AND pixel) SAME image | US-PGPUB; USPAT | OR | ON | 2007/02/26 17:13 |
| S62 | 1 | (backward AND kernel ADJ radius AND pixel) SAME image | US-PGPUB; USPAT | OR | ON | 2007/02/26 17:16 |

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| S63 | 2 | (kernel ADJ radius) SAME (backward AND pixel AND intensity OR color OR threshold) | US-PGPUB; USPAT | OR | ON | 2007/02/27 08:50 |
|-----|-----|-----|-----|-----|-----|-----|
| S64 | 1 | ("20030169944").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/26 17:24 |
| S65 | 1 | ("20030197877").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/27 08:37 |
| S66 | 1 | ("20030095693").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/27 10:22 |
| S67 | 1 | ("6215496").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/27 10:24 |
| S68 | 1 | ("20030095693").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/27 10:45 |
| S69 | 404 | (382/261).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/02/27 10:45 |
| S71 | 944 | (382/260).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/02/27 10:45 |
| S73 | 1097 | (382/254).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/02/27 10:46 |
| S74 | 1312 | (375/232).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/02/27 10:46 |
| S75 | 636 | (375/233).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/02/27 10:46 |
| S76 | 1521 | (375/350).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/02/27 10:46 |
| S77 | 1 | ("6215496").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/27 10:59 |
| S78 | 0 | (filter$ WITH image) SAME ( forward SAME kernel) SAME (software ADJ product) | US-PGPUB; USPAT | OR | ON | 2007/02/27 11:01 |
| S79 | 20 | (filter$ WITH image) SAME (software ADJ product) | US-PGPUB; USPAT | OR | ON | 2007/02/27 11:01 |
| S80 | 3 | (filter$ WITH image SAME kernel) SAME (software ADJ product) | US-PGPUB; USPAT | OR | ON | 2007/02/27 11:35 |
| S81 | 0 | convolution WITH weight SAME pixel SAME forward SAME backward | US-PGPUB; USPAT | OR | ON | 2007/02/27 11:37 |
| S82 | 0 | convolution SAME weight SAME pixel SAME forward SAME backward | US-PGPUB; USPAT | OR | ON | 2007/02/27 11:37 |
| S83 | 5 | convolution SAME weight SAME forward SAME backward | US-PGPUB; USPAT | OR | ON | 2007/02/27 15:40 |
| S84 | 1 | ("20030095693").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/27 15:40 |
| S85 | 1 | ("6215496").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/27 15:41 |

| S86 | 1 | ("20030169944").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/27 15:41 |
|---|---|---|---|---|---|---|
| S87 | 1 | ("20030197877").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/27 15:42 |
| S88 | 1 | ("7171436").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/27 15:42 |
| S89 | 1 | ("20010041838").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/27 16:14 |
| S90 | 1 | ("4466554").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/27 16:17 |
| S91 | 1 | ("20010041838").PN. | US-PGPUB; USPAT | OR | OFF | 2007/02/27 16:17 |
| S92 | 1 | ("5541658").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/13 14:36 |
| S93 | 1 | ("5615243").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/13 14:37 |
| S94 | 1 | ("6457032").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/13 14:37 |
| S95 | 1 | ("6556696").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/13 14:37 |
| S96 | 1 | ("6704049").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/13 14:37 |
| S97 | 1 | ("6728416").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/13 14:37 |
| S98 | 1 | ("6791540").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/13 14:38 |
| S99 | 1 | ("20050025378").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/13 14:38 |
| S100 | 1 | ("6765589").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/13 14:38 |
| S101 | 1 | ("7098932").PN. | US-PGPUB; USPAT | OR | OFF | 2007/09/13 14:38 |